UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

| APPLICATION NO.   | FILING DATE       | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|---|-------------------|----------------------|---------------------|------------------|
| 10/552,382  | 08/28/2006        | Glenn D. Prestwich   | 24U03.1-071         | 4731             |
| 23506 7590 07/27/2011 GARDNER GROFF GREENWALD & VILLANUEVA. PC 2018 POWERS FERRY ROAD SUITE 800 |                   |                      | EXAMINER            |                  |
|   |                   |                      | LOEWE, SUN JAE Y    |                  |
|   | ATLANTA, GA 30339 |                      | ART UNIT            | PAPER NUMBER     |
|   |                   |                      | 1622                |                  |
|   |                   |                      |                     |                  |
|   |                   |                      | NOTIFICATION DATE   | DELIVERY MODE    |
|   |                   |                      | 07/27/2011          | ELECTRONIC       |

## Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

patent@gardnergroff.com

| Application No. Applicant(s)   |              |  |  |  |  |
|--|--------------|--|--|--|--|
| 10/552,382 PRESTWICH ET  | AL.          |  |  |  |  |
| Office Action Summary Examiner Art Unit  |              |  |  |  |  |
| SUN JAE LOEWE 1622   |              |  |  |  |  |
| The MAILING DATE of this communication appears on the cover sheet with the correspondence and Period for Reply   | ldress       |  |  |  |  |
| A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (3 WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). |              |  |  |  |  |
| Status   |              |  |  |  |  |
| 1) Responsive to communication(s) filed on 14 June 2011.   |              |  |  |  |  |
| 2a) ☐ This action is <b>FINAL</b> . 2b) ☐ This action is non-final.  |              |  |  |  |  |
| 3) Since this application is in condition for allowance except for formal matters, prosecution as to the   | _            |  |  |  |  |
| closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  |              |  |  |  |  |
| Disposition of Claims  |              |  |  |  |  |
| 4)⊠ Claim(s) 18-21 and 89-104 is/are pending in the application.   |              |  |  |  |  |
| 4a) Of the above claim(s) <u>90-104</u> is/are withdrawn from consideration.   |              |  |  |  |  |
| 5) Claim(s) is/are allowed.  |              |  |  |  |  |
| 6)⊠ Claim(s) <u>19,21 and 89</u> is/are rejected.  |              |  |  |  |  |
| 7) Claim(s) <u>18,20</u> is/are objected to.   |              |  |  |  |  |
| 8) Claim(s) are subject to restriction and/or election requirement.  |              |  |  |  |  |
| Application Papers   |              |  |  |  |  |
| 9) The specification is objected to by the Examiner.   |              |  |  |  |  |
| 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.   |              |  |  |  |  |
| Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  |              |  |  |  |  |
| Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 Cl  | FR 1.121(d). |  |  |  |  |
| 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form P  | ` '          |  |  |  |  |
| Priority under 35 U.S.C. § 119   |              |  |  |  |  |
| •  |              |  |  |  |  |
| 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  |              |  |  |  |  |
| a) All b) Some * c) None of:   |              |  |  |  |  |
| 1. Certified copies of the priority documents have been received.  |              |  |  |  |  |
| 2. Certified copies of the priority documents have been received in Application No   | 0.           |  |  |  |  |
| 3. Copies of the certified copies of the priority documents have been received in this National Stage  |              |  |  |  |  |
| application from the International Bureau (PCT Rule 17.2(a)).  |              |  |  |  |  |
| * See the attached detailed Office action for a list of the certified copies not received.   |              |  |  |  |  |
|  |              |  |  |  |  |
|  |              |  |  |  |  |
| Attachment(s)  |              |  |  |  |  |
| 1) Notice of References Cited (PTO-892)  4) Interview Summary (PTO-413)  |              |  |  |  |  |
| 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date  |              |  |  |  |  |
| 3) Information Disclosure Statement(s) (PTO/SB/08)  Paper No(s)/Mail Date  5) Notice of Informal Patent Application 6) Other:  |              |  |  |  |  |